1. AMENDMENTS IN THE SPECIFICATION:

In paragraph [302], please replace Table 7 with the following Table 7:

TABLE 7

SUMMARY OF MUTANTS

Mutant[a]	Type[b]	Amino Acid Positions[b]	SEQ ID NO:	Class	Phenotype[c]
*mut*1[1]	Ala sub	9-13 DWLED-AWLAA	50	1	wt
*mut*2[1]	Ala sub	24-28 KLKPG-ALAPG	51	1	wt
*mut*3[2]	Ala sub	33-37 KPKER-APAAA	52	1	wt, surface
*mut*4[2]	Ala sub	39-43 KDDSR-AAASA	53	2a	pd, hep$^+$
*mut*5[3]	Ala sub	63-67 EPVNE-APVNA	54	2a	pd, hep$^+$
*mut*6[2]	Ala sub	67-71 EADAA-AAAAA	55	2a	pd, hep$^+$
*mut*7[2]	Ala sub	74-78 EHDKA-AHAAA	56	2a	pd, hep$^+$
*mut*8[2]	Ala sub	76-80 DKAYD-AAAYA	57	2a	pd, hep$^+$
*mut*9[1]	Ala sub	84-88 DSGDN-ASGAN	58	1	wt
*mut*10[2]	Ala sub	95-99 HADAE-AAAAA	59	2a	pd, hep$^+$
*mut*11[2]	Ala sub	102-107 ERLKED-AALAAAA	60	1	wt
*mut*12[2]	Ala sub	122-126 KKRVL-AAAVL	61	2a	pd, hep$^+$
*mut*13[2]	Ala sub	142-146 KKRPV-AAAPV	62	1	wt
*mut*14[1]	Ala sub	152-156 EPDSS-APASS	63	1	wt
*mut*15[2]	Ala sub	168-172 RKRLN-AAALN	64	2a	pd, hep$^+$
*mut*16[2]	Ala sub	178-182 GDADS-GAAAS	65	1	wt
*mut*17[1]	Ala sub	180-184 DSVPD-ASVPA	66	1	wt
*mut*18[2]	Ala sub	216-220 EGADG-AGAAG	67	2a	Pd, hep$^+$
*mut*19[1]	Ala sub	228-232 WHCDS-WACAS	68	4b	ni, no capsid
*mut*20[2]	Ala sub	235-239 MGDRV-MGAAV	69	4b	ni, no capsid
*mut*21[4]	Ala sub	254-258 NHLYK-NALYA	70	2b	pd, unstable capsid
*mut*22[4]	Ala sub	268-272 NDNHY-NANAY	71	4a	ni, full particle

Mutant[a]	Type[b]	Amino Acid Positions[b]	SEQ ID NO:	Class	Phenotype[c]
*mut*23[4]	Ala sub	285-289 NRFHC-NAFAC	72	4b	ni, no capsid
*mut*24[2]	Ala sub	291-295 FSPRD-FSPAA	73	4b	ni, no capsid
*mut*25[2]	Ala sub	307-311 RPKRL-APAAL	74	4b	ni, no capsid
*mut*26[2]	Ala sub	320-324 VKEVT-VAAVT	75	3a	hs
*mut*27[1]	Ala sub	344-348 TDSEY-TASAY	76	3a	hs
*mut*28[2]	Ala sub	384-385 AAA		3a	cs
*mut*29[1]	Ala sub	389 R-A		1	wt
*mut*30[2]	Ala sub	415-419 FEDVP-FAAVP	77	2a	pd, hep^+
*mut*31[4]	Ala sub	432 R-A		4c	ni, empty particle
*mut*32[2]	Ala sub	454-456 TTT-AAA	78	1	wt
*mut*33[2]	Ala sub	469-472 DIRD-AIAA	79	3a	hs
*mut*34[2]	Ala sub	490-494 KTSAD-ATSAA	80	2a	pd, hep^+
*mut*35[2]	Ala ins	509 AAAA	81	3b	cs, hep^-, surface
*mut*36[1]	Ala sub	513-517 RDSLV-AASLV	82	2a	pd, hep^+
*mut*37[2]	Ala sub	527-532 KDDEEK-AAAAA	83	4a	ni, full particle
*mut*38[2]	Ala sub	547-551 SEKTN-SAATN	84	1	wt
*mut*39[2]	Ala sub	553-557 DIEKV-AIAAV	85	2b	pd, unstable capsid
*mut*40[2]	Ala sub	561-565 DEEEI-AAAAI	86	4d	ni, hep^-, full particle, surface
*mut*41[2]	Ala sub	585-588 RGNR-AGAA	87	2c	pd, hep^-, surface
*mut*42[2]	Ala sub	607-611 QDRDV-QAAAV	88	4b	ni, no capsid
*mut*43[2]	Ala sub	624-628 TDGHR-TAGAF	89	1	wt
*mut*44[1]	Ala sub	637-641 FGLKH-FGLAA	90	1	wt
*mut*45[2]	Ala sub	665 K-A		1	wt
*mut*46[2]	Ala sub	681-683 EIE-AAA	91	4b	ni, no capsid
*mut*47[2]	Ala sub	689-693 ENSKR-ASSAA	92	4b	ni, no capsid
*mut*48[1]	Ala sub	706 K-A		2a	Pd, hep^+

Mutant[a]	Type[b]	Amino Acid Positions[b]	SEQ ID NO:	Class	Phenotype[c]
L1	HA ins	266		2a	pd, $A20^-$, A20 epitope$^-$, surface
L2	HA ins	328		4a	ni, $A20^+$, surface
L3	HA ins	447		2a	pd, hep^+, surface
L4	HA ins	522		4d	ni, hep$^-$, surface
L5	HA ins	553		4a	ni, $A20^+$, surface
L6	HA ins	591		2c	pd, hep$^-$, surface
L7	HA ins	664		2a	pd, hep^+, surface
VPN1	HA, AU ins	1		2a	pd, hep^+, surface
VP1	HA ins, Ser sub	34		2a	pd, hep^+, surface
VPN2[d]	HA, Ser ins	138		2a	pd, hep^+, surface
VPN3	HA, Ser ins	203		4b	ni, no capsid
VPC	HA, Ser, AU, His ins	735		4b	ni, no capsid
*mut*1subser1	Ser sub	10		4a	ni, $A20^+$
*mut*2subser2	Ser sub	24		4a	ni, $A20^+$
*mut*3subser3	Ser sub	34		2a	pd, hep^+
*mut*9subser4	Ser sub	84		4a	ni, $A20^+$
*mut*14subser5	Ser sub	150		4a	ni, $A20^+$
*mut*16subser6	Ser sub	178		4b	ni, no capsid
*mut*19subser7	Ser sub	224		4b	ni, no capsid
*mut*32subser8	Ser sub	454		4b	ni, no capsid
*mut*37subser9	Ser sub	526		4b	ni, no capsid
*mut*39subser10	Ser sub	553		4b	ni, no capsid
*mut*40subser11	Ser sub	562		4b	ni, no capsid
*mut*41subser12	Ser sub	590		4b	ni, no capsid

Mutant[a]	Type[b]	Amino Acid Positions[b]	SEQ ID NO:	Class	Phenotype[c]
*mut*44subser13	Ser sub	638		4b	ni, no capsid
*mut*45subser14	Ser sub	664		4b	ni, no capsid
*mut*46subser15	Ser sub	682		4b	ni, no capsid
*mut*4subflg2	FLAG sub	39		4a	ni, $A20^+$
*mut*8subflg3	FLAG sub	76		4a	ni, $A20^+$
*mut*16subflg4	FLAG sub	178		4a	ni, $A20^+$
*mut*32subflg5	FLAG sub	454		4a	ni, $A20^+$
*mut*37subflg6	FLAG sub	526		4a	ni, $A20^+$
*mut*38subflg7	FLAG sub	547		4a	ni, $A20^+$
*mut*40subflg8	FLAG sub	562		4b	ni, no capsid
*mut*44subflg9	FLAG sub	638		4b	ni, no capsid
*mut*45subflg10	FLAG sub	664		4b	ni, no capsid
*mut*46subflg11	FLAG sub	682		4b	ni, no capsid

[a] Superscripts 1 to 4 indicate that a restriction site was introduced as a result of the alanine substitution mutation: 1, *Nhe*I; 2, *Eag*I, 3, *Hpa*I; 4, *Mlu*I.

[b] Ala sub, alanine substitution mutant; Ala ins, string of alanine residues inserted after the indicated amino acid; HA, AU, His, or Ser ins, insertion of the HA, AU, His, or Ser epitope immediately after the indicated amino acid of wt cap; Ser or FLAG sub, substitution of the Ser or FLAG epitope for the wt AAV capsid sequence beginning immediately after the indicated AAV amino acid residue. Amino acid tags: HA, YPYDVPDYA (SEQ ID NO:36); AU, DTYRYI (SEQ ID NO:37); His, HHHHHH (SEQ ID NO:38); Ser, FVFLI (SEQ ID NO:39); FLAG (SEQ ID

NO:40), DYKDDDDK (SEQ ID NO:41).

[c] pd, partially defective for infectivity, between 1 to 3 logs lower than wt; cs and hs, cold sensitive and heat sensitive, respectively; ni, noninfectious, 5 logs lower than wt; hep^+, mutant bound to a heparan column; hep^-, mutant did not bind to heparan sulfate; no capsid, mutant was A20 ELISA negative and MAb B1 negative; $A20^+$, mutant could be detected with A20 antibody; surface, position was present on the surface of the capsid.

[d] The serpin insertion in VPN2 was KFNKPFVFLI (SEQ ID NO:42).

After paragraph [995], please replace the current Sequence Listing filed on August 31, 2005 with the enclosed Sequence Listing (pages 1-20) filed herewith.